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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. ELITRA.001A | APPLICATION NO. 09/492,709 |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | | APPLICANT Zyskind, et al. | |
| | | FILING DATE January 27, 2000 | GROUP 1640 1631 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|----|-----------------|------------------------------|---------------------------|-------|----------|---------------------------------|
| AM | 1 | 4,622,297 | 11/11/86 | Kappner, et al. | 435 | 32 | |
| | 2 | 4,980,281 | 12/25/90 | Housey, et al. | 435 | 29 | |
| | 3 | 5,190,931 | 03/02/93 | Inouye | 435 | 91 | |
| | 4 | 5,208,149 | 05/04/93 | Inouye, et al. | 435 | 91 | |
| | 5 | 5,266,464 | 11/30/93 | Housey, et al. | 435 | 29 | |
| | 6 | 5,272,065 | 12/21/93 | Inouye, et al. | 435 | 91.1 | |
| | 7 | 5,569,588 | 12/03/96 10/29/96 | Ashby, et al. | 435 | 6 | |
| | 8 | 5,585,277 | 12/17/96 | Bowie, et al. | 436 | 518 | |
| | 9 | 5,688,655 | 11/08/97 | Housey, et al. | 435 | 7.21 | |
| | 10 | 5,756,305 | 05/26/98 | Timberlake, et al. | 435 | 34 | |
| | 11 | 5,821,076 | 10/13/98 | Timberlake, et al. | 435 | 34 | |
| | 12 | 5,877,007 | 03/02/99 | Housey, et al. | 435 | 252.3 | |
| | 13 | 5,965,352 | 10/12/99 | Stoughton, et al. | 435 | 4 | |
| | 14 | 6,015,669 | 01/18/00 | Holden | 435 | 6 | |
| ↓ | 15 | 6,174,878 | 01/16/01 | Menzel, et al. | 435 | 6 | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|----|-----------------|----------|----------------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| AM | 16 | WO 95/06132 | 03/02/95 | PCT, Andrianopoulos et al. | — | — | | |
| | 17 | WO 96/23075 | 08/01/96 | PCT, Boggs et al. | — | — | | |
| | 18 | WO 96/40979 | 12/19/96 | PCT, Boston et al. | — | — | | |
| | 19 | WO 97/11690 | 04/03/97 | PCT, Bao et al. | — | — | | |
| | 20 | WO 97/23642 | 07/03/97 | PCT, Benton et al. | — | — | | |
| | 21 | WO 97/42210 | 11/13/97 | PCT, Timberlake et al. | — | — | | |
| | 22 | WO 98/03533 | 01/29/98 | PCT, Arrow et al. | — | — | | |
| | 23 | WO 99/23244 | 05/14/99 | PCT, Menzel et al. | — | — | | |
| ↓ | 24 | WO 99/36554 | 07/22/99 | PCT, Quinn et al. | — | — | | |

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| EXAMINER <i>Adam Mansel</i> | DATE CONSIDERED 4-23-02 |
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| AM | 25 | WO 99/43338 | 09/02/99 | PCT, <i>Ginski</i> | | | | |
| AM | 26 | WO 99/49888 | 10/07/99 | PCT, <i>Maurilli et al.</i> | | | | |
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| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) | |
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| AM | 27 | Austin, A. E., et al., <i>Journal of Bacteriology</i> , 172:5312-5325, 1990, "Genetic Analysis of Lipopolysaccharide Core Biosynthesis by <i>Escherichia coli</i> k12 Insertion Mutagenesis of the RFA Locus." |
| AM | 29 | Lee, N. G., et al., <i>Infection and Immunity</i> , 63(3):818-824, 1995, "Molecular Cloning and Characterization of the Nontypable <i>Haemophilus Influenzae</i> -2019 <i>rfaE</i> Gene Required for Lipopolysaccharide Biosynthesis." |
| AM | 30 | Valvano, M. A., et al., <i>Journal of Bacteriology</i> , 182:488-497, 2000, "The <i>rfaE</i> Gene from <i>Escherichia coli</i> Encodes a Bifunctional Protein Involved in Biosynthesis of the Lipopolysaccharide Core Precursor ADP-L-glycero-D-manno-heptose." |
| AM | 31 | Van Heeswijk, W. C., et al., <i>Molecular Microbiology</i> , 9:443-457, 1993, "The Genes of the Glutamine Synthetase Adenylation Cascade are not Regulated by Nitrogen in <i>Escherichia coli</i> ." |
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| EXAMINER <i>Adam Marshall</i> | DATE CONSIDERED <i>4-23-02</i> |
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